

# Project Proposal - Team 15

## 1. Contact information

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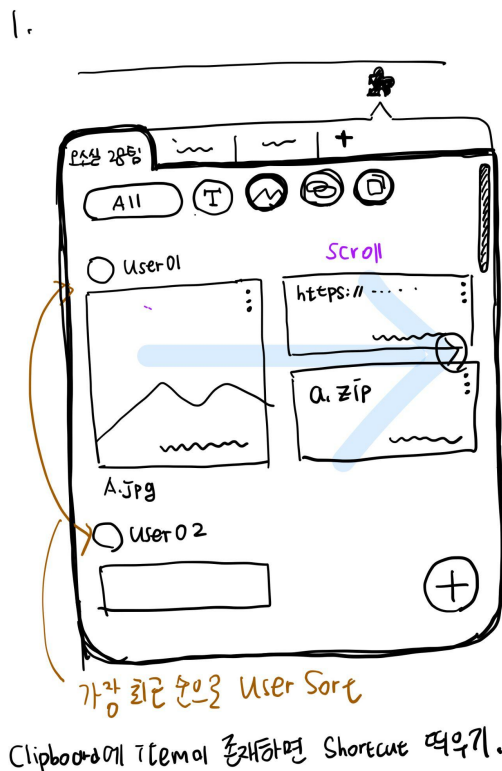
## 2. Application type

Desktop Application (Google Chrome Extension)

## 3. Theme

Students often work together for team projects. They usually use the popular messenger service, KakaoTalk, to not only share ideas, but to share useful reference sources like websites or photos, and to send files. However, KakaoTalk, being a text messenger, does not provide a convenient user interface for sharing sources for projects. (There is a '특게시판' feature, but it has poor accessibility.) It is hard to view all the sources shared at once and they have to search very often to find what they've already shared. Built right into the browser by Chrome Extension, this collaboration source control tool will allow students to share sources instantly, and view the shared sources at a glance.

## 4. Sketch



## 5. Features

The main feature of this extension is its file sharing system. Users will be able to upload files with the "Add button" and quickly access or download their teammates' files through the user interface. The center of the user interface will show previews of all the files uploaded by the entire team. This feature will enhance the productivity of a team by reducing the file sharing

complexity. Additional features include filtering out the files that are visible to the user using the sort buttons and having multiple tabs for different collaborative environments. Similar to several platform's filter function, the extension will provide options to only show a certain file type. For the multiple tab feature, a user will be able to quickly go through the files shared by two or more different groups when necessary. And of course, this extension will provide a feature to delete certain files or even the entire session when the project is complete.

## 6. Usage scenario

A simple usage scenario could be a college student working on a collaborative project. This user will install this application through the Chrome extension. Once users install the application, they will use their google email account to login, then they will create a thread for the team. Once the thread has been created, each team member will access the thread through their Chrome extension. The fictional user found a website that seems useful in the project. This user will use the Add functionality to upload the link. Now everyone has access to the link, the team members can find the link in their extension and access it. Once the user is finished using the application for the day, all they have to do is leave the extension or leave the Chrome browser.

## 7. Task assignment

### - Develop on top of a chrome extension layer

#### A. Backend

- a. Server file structure (User management, File management)
- b. Server - client communication (Login, Sync)

#### B. Frontend

- a. Overall layout
- b. Tiles view
- c. Interaction with the tiles
- d. Button functionality (sorting buttons, add button, tabs)

고태현 : A

김홍인 : B. a / B.d

이건 : B. b / B.c